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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PRELIMINARY AMENDMENT	First Named Inventor	David Goldstein
	Application Number	(unassigned)
Address to:	Filing Date	(herewith)
Box Patent Application	Group Art Unit	(unassigned)
Assistant Commissioner of Patents	Examiner	(unassigned)
Washington, D.C. 20231	Attorney Docket No.	R0038G-DIV
	Title	Pyrazole Derivatives - p38 Map
		Kinase Inhibitors

Sir:

Attached herewith is a Preliminary Amendment to the enclosed patent application, which is a divisional application of U.S. Application Serial No. 09/305,737, filed May 5, 1999, which claims the priority benefits of U.S. Provisional Application Serial No. 60/084,250, filed May 5, 1998, U.S. Provisional Application Serial No. 60/122,410, filed March 2, 1999, and U.S. Provisional Application Serial No. 60/130,369, filed April 21, 1999, for "PYRAZOLE DERIVATIVES P38 MAP KINASE INHIBITORS,".

IN THE SPECIFICATION

Please amend the text on page 1, lines 4-6, under the section entitled "CROSS-REFERENCE TO RELATED APPLICATION", as follows:

-- This application is a divisional application of U.S. Application Serial No. 09/305,737, filed May 5, 1999 and claims the benefit under 35 U.S.C. 119(e) of U.S. Provisional Application Serial No. 60/084,250, filed May 5, 1998, U.S. Provisional Application Serial No. 60/122,410, filed March 2, 1999, and U.S. Provisional Application Serial No. 60/130,369, filed April 21, 1999, all of which are incorporated herein by reference in their entirety. --

IN THE CLAIMS:

Please amend Claims as follows:

Cancel claims 1, 32 and 36-37.

33. (Amended herein) A method of treatment of a disease in a mammal treatable by administration of a p38 MAP kinase inhibitor, comprising administration to the mammal a therapeutically effective amount of a compound selected from the group of compounds represented by Formula (I):

wherein:

R¹ is hydrogen or acyl;

R² is hydrogen or alkyl;

A is an aryl ring;

B is an aryl ring;

R³ is selected from the group consisting of:

- (a) amino, alkylamino or dialkylamino;
- (b) acylamino;
- (c) optionally substituted heterocyclyl;
- (d) optionally substituted aryl or heteroaryl;
- (e) heteroalkyl;
- (f) heteroalkenyl;
- (g) heteroalkynyl;
- (h) heteroalkoxy;
- (i) heteroalkylamino;

- (j) optionally substituted heterocyclylalkyl;
- (k) optionally substituted heterocyclylalkenyl;
- (l) optionally substituted heterocyclylalkynyl;
- (m) optionally substituted heterocyclylalkoxy, cycloakoxy or heterocycloxy;
- (n) optionally substituted heterocyclylalkylamino;
- (o) optionally substituted heterocyclylalkylcarbonyl;
- (p) heteroalkylcarbonyl;
- (q) -NHSO₂R⁶ where R⁶ is alkyl, heteroalkyl or optionally substituted heterocyclylalkyl;
- (r) -NHSO₂NR⁷R⁸ where R⁷ and R⁸ are, independently of each other, hydrogen, alkyl or heteroalkyl;
- (s) -Y-(alkylene)-R⁹ where:

Y is a single bond, -O-, -NH- or -S(O)_n- (where n is an integer from 0 to 2); and $R^9 \text{ is cyano, optionally substituted heteroaryl, -COOH, -COR}^{10}, -COOR^{11}, -CONR^{12}R^{13}, -SO_2R^{14}, -SO_2NR^{15}R^{16}, -NHSO_2R^{17} \text{ or } -NHSO_2NR^{18}R^{19}, \text{ where } R^{10} \text{ is alkyl or optionally substituted heterocycle, } R^{11} \text{ is alkyl, and } R^{12}, R^{13}, R^{14}, R^{15}, R^{16}, R^{17}, R^{18} \text{ and } R^{19} \text{ are, independently of each other, hydrogen, alkyl or heteroalkyl;}$

- (t) $-C(=NR^{20})(NR^{21}R^{22})$ where R^{20} , R^{21} and R^{22} independently represent hydrogen, alkyl or hydroxy, or R^{20} and R^{21} together are $-(CH_2)_n$ -where n is 2 or 3 and R^{22} is hydrogen or alkyl;
- (u) -NHC(X)NR²³R²⁴ where X is -O- or -S-, and R²³ and R²⁴ are, independently of each other, hydrogen, alkyl or heteroalkyl;
- (v) -CONR²⁵R²⁶ where R²⁵ and R²⁶ independently represent hydrogen, alkyl, heteroalkyl or optionally substituted heterocyclylalkyl, or R²⁵ and R²⁶ together with the nitrogen to which they are attached form an optionally substituted heterocyclyl ring;

- (w) $-S(O)_nR^{27}$ where n is an integer from 0 to 2, and R^{27} is alkyl, heteroalkyl, optionally substituted heterocyclylalkyl, or $-NR^{28}R^{29}$ where R^{28} and R^{29} are, independently of each other, hydrogen, alkyl or heteroalkyl;
- (x) cycloalkylalkyl, cycloalkylalkynyl and cycloalkylalkynyl, all optionally substituted with alkyl, halo, hydroxy or amino;
- (y) arylaminoalkylene or heteroarylaminoalkylene;
- (z) Z-alkylene- $NR^{30}R^{31}$ or Z-alkylene- OR^{32} where Z is -NH-, -N(lower alkyl)- or -O-, and R^{30} , R^{31} and R^{32} are independently of each other, hydrogen, alkyl or heteroalkyl;
- (aa) -OC(O)-alkylene-CO₂H or -OC(O)-NR'R" (where R' and R" are independently hydrogen or alkyl); and
- (bb) heteroarylalkenylene or heteroarylalkynylene;

R⁴ is selected from the group consisting of:

- (a) hydrogen;
- (b) halo;
- (c) alkyl;
- (d) alkoxy; and
- (e) hydroxy;

 R^5 is selected from the group consisting of :

- (a) hydrogen;
- (b) halo;
- (c) alkyl;
- (d) haloalkyl;
- (e) thioalkyl;
- (f) hydroxy;
- (g) amino;
- (h) alkylamino;
- (i) dialkylamino;
- (j) heteroalkyl;

- (k) optionally substituted heterocycle;
- (l) optionally substituted heterocyclylalkyl;
- (m) optionally substituted heterocyclylalkoxy;
- (n) alkylsulfonyl;
- (o) aminosulfonyl, mono-alkylaminosulfonyl or dialkylaminosulfonyl;
- (p) heteroalkoxy; and
- (q) carboxy;

R⁶ is selected from a group consisting of:

- (a) hydrogen;
- (b) halo;
- (c) alkyl; and
- (d) alkoxy; and

prodrugs, individual isomers, mixtures of isomers and pharmaceutically acceptable salts thereof.

- 2. (Amended) The method of Claim 33 wherein R^3 is:
 - (a) optionally substituted heterocyclyl;
 - (b) aryl or heteroaryl both optionally substituted with a substituent selected from halo, alkyl, amino, alkoxy, carboxy, lower alkoxy carbonyl, SO₂R' (where R' is alkyl) or SO₂NHR'R" (where R' and R" are independently hydrogen or alkyl);
 - (c) heteroalkyl;
 - (d) heteroalkenyl;
 - (e) heteroalkylamino;
 - (f) heteroalkoxy;
 - (g) optionally substituted heterocyclylalkyl, or heterocyclyloxy;
 - (h) optionally substituted heterocyclylalkenyl;
 - (i) optionally substituted heterocyclylalkynyl;
 - (j) optionally substituted heterocyclylalkoxy;

- (k) optionally substituted heterocyclylalkylamino;
- (l) optionally substituted heterocyclylalkylcarbonyl;
- (k) -Y-(alkylene)- R^9 where Y is a single bond, -O- or -NH- and R^9 is optionally substituted heteroaryl, -CONR¹²R¹³, SO₂R¹⁴, SO₂NR¹⁵R¹⁶ -NHSO₂R¹⁷ or -NHSO₂NR¹⁸R¹⁹ where R¹², R¹³, R¹⁴, R¹⁵, R^{16} R¹⁷, R^{18} and R^{19} are independently of each other hydrogen, alkyl or heteroalkyl;
- (l) cycloalkylalkyl, cycloalkylalkynyl and cycloalkylalkynyl, all optionally substituted with alkyl, halo, hydroxy or amino;
- (m) arylaminoalkylene or heteroarylaminoalkylene; or
- (n) Z-alkylene- $NR^{30}R^{31}$ where Z is -NH-, -N(alkyl)- or -O-, and R^{30} and R^{31} are independently of each other, hydrogen, alkyl or heteroalkyl.
- 3. (Amended herein) The method of Claim 2 wherein R^1 and R^2 are hydrogen; and B is phenyl.
- 4. (Amended herein) The method of Claim 3 wherein A is phenyl.
- 5. (Amended herein) The method of Claim 4 wherein R⁴ is hydrogen; and R⁵ is halo or alkyl.
- 6. (Amended herein) The method of Claim 5 wherein R⁵ is chloro, fluoro or methyl; and R⁶ is hydrogen, chloro, fluoro, methyl or methoxy.
- 7. (Amended herein) The method of Claim 5, wherein R³ is optionally substituted heteroaryl.
- 8. (Amended herein) The method of Claim 7, wherein R³ is pyridin-2-yl, pyridin-3 yl, pyridin-4-yl, N-oxidopyridin-2-yl, N-oxidopyridin-3-yl, N-oxidopyridin-4-yl or pyridon-2-yl, all optionally substituted.

- 9. (Amended herein) The method of Claim 8, wherein R³ is at the 3-position.
- 10. (Amended herein) The method of Claim 9, wherein R⁵ is 4-F and R⁶ is hydrogen.
- 11. (Amended herein) The method of Claim 9, wherein R⁵ is 2-Me and R⁶ is hydrogen.
- 12. (Amended herein) The method of Claim 5, wherein R³ is optionally substituted phenyl.
- 13. (Amended herein) The method of Claim 12, wherein R³ is 3-sulfamoylphenyl, 3-methylsulfonylphenyl, 3-carboxyphenyl or 3-ethoxycarbonylphenyl.
- 14. (Amended herein) The method of Claim 13, wherein R³ is at the 3-position.
- 15. (Amended herein) The method of Claim 14, wherein R⁵ is 4-F and R⁶ is hydrogen.
- 16. (Amended herein) The method of Claim 5, wherein R³ is:
 - (a) heteroalkyl;
 - (b) heteroalkoxy;
 - (c) heteroalkylamino;
 - (d) optionally substituted heterocyclylalkyl;
 - (e) optionally substituted heterocyclylalkoxy;
 - (f) optionally substituted heterocyclylalkylamino;
 - -Y-(alkylene)-R⁹ where Y is a single bond, -O- or -NH- and
 R⁹ is optionally substituted heteroaryl, -CONR¹²R¹³, SO₂R¹⁴, -SO₂NR¹⁵R¹⁶ NHSO₂R¹⁷ or -NHSO₂NR¹⁸R¹⁹ where R¹², R¹³, R¹⁴, R¹⁵, R¹⁶ R¹⁷, R¹⁸ and R¹⁹
 are independently of each other hydrogen, alkyl or heteroalkyl; or

- (h) Z-alkylene-NR³⁰R³¹ where Z is -NH-, -N(alkyl)- or -O-, and R³⁰ and R³¹ are independently of each other, hydrogen, alkyl or heteroalkyl.
- 17. (Amended herein) The method of Claim 16, wherein R³ is heteroalkyl.
- 18. (Amended herein) The method of Claim 17, wherein R³ is at the 3-position and is selected from the group consisting of 2-dimethylaminoethyl, 3-dimethylaminopropyl, 4-dimethylaminobutyl, hydroxymethyl, 1,2-dihydroxyethyl, 3-hydroxy-3-methyl-1-butyl or 3-hydroxybutyl.
- 19. (Amended herein) The method of Claim 18, wherein R⁵ is 2-F and R⁶ is 4-F.
- 20. (Amended herein) The method of Claim 18, wherein R⁵ is 4-F and R⁶ is hydrogen.
- 21. (Amended herein) The method of Claim 18, wherein R⁵ is 2-Me and R⁶ is hydrogen.
- 22. (Amended herein) The method of Claim 16, wherein R³ is heteroalkoxy or heteroalkylamino.
- 23. (Amended herein) The method of Claim 22, wherein R³ is at the 3-position and is selected from the group consisting of 3-dimethylaminopropoxy, 2-dimethylaminoethoxy, 2-hydroxyethoxy, 2,3-dihydroxypropoxy, 2,2-(dihydroxymethyl)ethoxy, 2-dimethylaminoethylamino and 3-dimethylaminopropylamino.
- 24. (Amended herein) The method of Claim 23 wherein R⁵ is 4-F or 2-Me and R⁶ is hydrogen.

- 25. (Amended herein) The method of Claim 16, wherein R³ is optionally substituted heterocyclylalkyl, optionally substituted heterocyclylalkoxy or optionally substituted heterocyclylalkylamino.
- 26. (Amended herein) The method of Claim 25, wherein R³ is at the 3-position and is selected from the group consisting of 3-(morpholin-4-yl)propoxy, 2-(morpholin-4-yl)ethoxy, 2-(2-oxo-pyrrolidin-1-yl)ethoxy, 3-(morpholin-4-yl)propyl, 2-(morpholin-4-yl)ethyl, 4- (morpholin-4-yl)butyl, 3-(morpholin-4-yl)propylamino, 2-(morpholin-4-yl)ethylamino, 4- hydroxy-piperidinylmethyl, 2-(S,S-dioxo-thiamorpholin-4-yl)ethyl, 3-(S,S-dioxo-thiamorpholin-4-yl)propyl and N-methylpiperazinylmethyl.
- 27. (Amended herein) The method of Claim 26 wherein R⁵ is 4-F or 2-Me and R⁶ is hydrogen.
- 28. (Amended herein) The method of Claim 16 wherein R^3 is -Y-(alkylene)- R^9 where Y is a single bond, -O- or -NH- and R^9 is optionally substituted heteroaryl, $CONR^{12}R^{13}$, SO_2R^{14} , - $SO_2NR^{15}R^{16}$ -NHSO₂R¹⁷ or -NHSO₂NR¹⁸R¹⁹ where R^{12} , R^{13} , R^{14} , R^{15} , R^{16} R^{17} , R^{18} and R^{19} are independently of each other hydrogen, alkyl or heteroalkyl.
- 29. (Amended herein) The method of Claim 28, wherein Y is a single bond and R^9 is SO_2R^{14} or $-SO_2NR^{15}R^{16}$.
- 30. (Amended herein) The method of Claim 29 wherein R³ is methylsulfonylethyl or sulfamoylethyl.
- 31. (Amended herein) The method of Claim 30 wherein R⁵ is 4-F or 2-Me and R⁶ is hydrogen.

REMARKS

This is a divisional application of the U.S. Application Serial No. No. 09/305,737, filed May 5, 1999, which claims the priority benefits of U.S. Provisional Application Serial No. 60/084,250, filed May 5, 1998, U.S. Provisional Application Serial No. 60/122,410, filed March 2, 1999, and U.S. Provisional Application Serial No. 60/130,369, filed April 21, 1999.

By the enclosed preliminary amendment, Claims 2-31 and 33 have been amended; and Claims 1, 32 and 36-37 have been canceled. Upon the entry of this Preliminary Amendment, Claims 2-31 and 33-35 will be pending in the present application.

Attached hereto is Appendix A captioned "Version with Markings to show changes made", and is a marked-up version of the changes made to the claims by the present amendment. In addition, for the convenience of the Examiner, all claims now pending following the entry of the present Preliminary Amendment are reproduced in Appendix B captioned "Pending Claims."

CONCLUSION

Applicants respectfully request that the application, as amended, be examined on its merits by the Examiner.

Respectfully submitted,

Mona Anand

Reg. No. 34,537

Attorney for Applicants

APPENDIX A VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE SPECIFICATION

Please amend the text on page 1, lines 4-6 follows:

This application is a divisional application of U.S. Patent Application Serial No. 09/305,737, filed May 5, 1999 and claims the benefit under 35 U.S.C. 119(e) of U.S. Provisional Application Serial No. 60/084,250, filed May 5, 1998, U.S. Provisional Application Serial No. [60/122,140] 60/122,410, filed March 2, 1999, and U.S. Provisional Application Serial No. 60/130,369, filed April 21, 1999, all of which are incorporated herein by reference in their entirety.

IN THE CLAIMS

Claims 1, 32 and 36-37 have been canceled

- 2. (Amended) The compound method of Claim ± 33 wherein \mathbb{R}^3 is:
 - (a) optionally substituted heterocyclyl;
 - (b) aryl or heteroaryl both optionally substituted with a substituent selected from halo, alkyl, amino, alkoxy, carboxy, lower alkoxy carbonyl, SO₂R' (where R' is alkyl) or SO₂NHR'R" (where R' and R" are independently hydrogen or alkyl);
 - (c) heteroalkyl;
 - (d) heteroalkenyl;
 - (e) heteroalkylamino;
 - (f) heteroalkoxy;
 - (g) optionally substituted heterocyclylalkyl or heterocyclyloxy;
 - (h) optionally substituted heterocyclylalkenyl;
 - (i) optionally substituted heterocyclylalkynyl;
 - (j) optionally substituted heterocyclylalkoxy;
 - (k) optionally substituted heterocyclylalkylamino;
 - (l) optionally substituted heterocyclylalkylcarbonyl;

- -Y-(alkylene)-R⁹ where Y is a single bond, -O- or -NH- and R⁹ is optionally substituted heteroaryl, -CONR¹²R¹³, SO₂R¹⁴, -SO₂NR¹⁵R¹⁶ -NHSO₂R¹⁷ or -NHSO₂NR¹⁸R¹⁹ where R¹², R¹³, R¹⁴, R¹⁵, R¹⁶ R¹⁷, R¹⁸ and R¹⁹ are independently of each other hydrogen, alkyl or heteroalkyl;
- (l) cycloalkylalkyl, cycloalkylalkynyl and cycloalkylalkynyl, all optionally substituted with alkyl, halo, hydroxy or amino;
- (m) arylaminoalkylene or heteroarylaminoalkylene; or
- (n) Z-alkylene-NR³⁰R³¹ where Z is -NH-, -N(alkyl)- or -O-, and R³⁰ and R³¹ are independently of each other, hydrogen, alkyl or heteroalkyl.
- 3. (Amended) The compound $\underline{\text{method}}$ of Claim 2 wherein R^1 and R^2 are hydrogen; and B is phenyl.
- 4. (Amended) The compound method of Claim 3 wherein A is phenyl.
- 5. (Amended) The compound method of Claim 4 wherein R⁴ is hydrogen; and R⁵ is halo or alkyl.
- 6. (Amended) The <u>compound method</u> of Claim 5 wherein R^5 is chloro, fluoro or methyl; and R^6 is hydrogen, chloro, fluoro, methyl or methoxy.
- 7. (Amended) The compound method of Claim 5, wherein R³ is optionally substituted heteroaryl.
- 8. (Amended) The compound method of Claim 7, wherein R³ is pyridin-2-yl, pyridin-3-yl, pyridin-4-yl, N-oxidopyridin-2-yl, N-oxidopyridin-3-yl, N-oxidopyridin-4-yl or pyridon-2-yl, all optionally substituted.
- 9. (Amended) The compound method of Claim 8, wherein R³ is at the 3-position.

- 10. (Amended) The compound method of Claim 9, wherein R⁵ is 4-F and R⁶ is hydrogen.
- 11. (Amended) The compound method of Claim 9, wherein R⁵ is 2-Me and R⁶ is hydrogen.
- 12. (Amended) The compound method of Claim 5, wherein R³ is optionally substituted phenyl.
- 13. (Amended) The <u>eompound method</u> of Claim 12, wherein R³ is 3-sulfamoylphenyl, 3-methylsulfonylphenyl, 3-carboxyphenyl or 3-ethoxycarbonylphenyl.
- 14. (Amended) The compound method of Claim 13, wherein R³ is at the 3-position.
- 15. (Amended) The <u>compound method</u> of Claim 14, wherein R⁵ is 4-F and R⁶ is hydrogen.
- 16. (Amended) The eompound method compound of Claim 5, wherein R³ is:
 - (a) heteroalkyl;
 - (b) heteroalkoxy;
 - (c) heteroalkylamino;
 - (d) optionally substituted heterocyclylalkyl;
 - (e) optionally substituted heterocyclylalkoxy;
 - (f) optionally substituted heterocyclylalkylamino;
 - (f) -Y-(alkylene)-R⁹ where Y is a single bond, -O- or -NH- and R⁹ is optionally substituted heteroaryl, -CONR¹²R¹³, SO₂R¹⁴, -SO₂NR¹⁵R¹⁶ NHSO₂R¹⁷ or -NHSO₂NR¹⁸R¹⁹ where R¹², R¹³, R¹⁴, R¹⁵, R¹⁶ R¹⁷, R¹⁸ and R¹⁹ are independently of each other hydrogen, alkyl or heteroalkyl; or
 - (h) Z-alkylene-NR³⁰R³¹ where Z is -NH-, -N(alkyl)- or -O-, and R³⁰ and R³¹ are independently of each other, hydrogen, alkyl or heteroalkyl.

- 17. (Amended) The compound method of Claim 16, wherein R³ is heteroalkyl.
- 18. (Amended) The compound method of Claim 17, wherein R³ is at the 3-position and is selected from the group consisting of 2-dimethylaminoethyl, 3-dimethylaminopropyl, 4-dimethylaminobutyl, hydroxymethyl, 1,2-dihydroxyethyl, 3-hydroxy-3-methyl-1-butyl or 3-hydroxybutyl.
- 19. (Amended) The compound method of Claim 18, wherein R⁵ is 2-F and R⁶ is 4-F.
- 20. (Amended) The compound method of Claim 18, wherein R⁵ is 4-F and R⁶ is hydrogen.
- 21. (Amended) The compound method of Claim 18, wherein R⁵ is 2-Me and R⁶ is hydrogen.
- 22. (Amended) The compound method of Claim 16, wherein R³ is heteroalkoxy or heteroalkylamino.
- 23. (Amended) The eompound method of Claim 22, wherein R³ is at the 3-position and is selected from the group consisting of 3-dimethylaminopropoxy, 2-dimethylaminoethoxy, 2-hydroxyethoxy, 2,3-dihydroxypropoxy, 2,2-(dihydroxymethyl)ethoxy, 2-dimethylaminoethylamino and 3-dimethylaminopropylamino.
- 24. (Amended) The compound method of Claim 23 wherein R⁵ is 4-F or 2-Me and R⁶ is hydrogen.
- 25. (Amended) The compound method of Claim 16, wherein R³ is optionally substituted heterocyclylalkyl, optionally substituted heterocyclylalkylamino.

- 26. (Amended) The compound method of Claim 25, wherein R³ is at the 3-position and is selected from the group consisting of 3-(morpholin-4-yl)propoxy, 2-(morpholin-4-yl)ethoxy, 2-(2-oxo-pyrrolidin-1-yl)ethoxy, 3-(morpholin-4-yl)propyl, 2-(morpholin-4-yl)ethyl, 4-(morpholin-4-yl)butyl, 3-(morpholin-4-yl)propylamino, 2-(morpholin-4-yl)ethyl, 3-(S,S-dioxo-thiamorpholin-4-yl)ethyl, 3-(S,S-dioxo-thiamorpholin-4-yl)propyl and N-methylpiperazinylmethyl.
- 27. (Amended) The compound method of Claim 26 wherein R⁵ is 4-F or 2-Me and R⁶ is hydrogen.
- 28. (Amended) The <u>compound method</u> compound of Claim16, wherein R³ is at the 3-position and is selected from the group consisting of (2,2-dimethyl-1,3-dioxolan-4(S)-yl)methoxy, (1,3-dioxolan-2-on-4(R)-yl)methoxy, (2-thioxo-1,3-dioxolan-4-yl)methoxy, (2,2-diethyl-1,3-dioxolan-4(S)-yl)methoxy, (2,2-diethyl-1,3-dioxolan-4(S)-yl)methoxy.
- 29. (Amended) The eompound method of Claim 28 wherein R⁵ is 4-F or 2-Me and R⁶ is hydrogen.
- 30. (Amended) The compound method of Claim 29, wherein Y is a single bond and R^9 is SO_2R^{14} or $-SO_2NR^{15}R^{16}$.
- 31. (Amended) The compound method of Claim 30 wherein R³ is methylsulfonylethyl or sulfamoylethyl.
- 33. (Amended) A method of treatment of a disease in a mammal treatable by administration of a p38 MAP kinase inhibitor, comprising administration to the mammal a

therapeutically effective amount of a compound of Claim 1. selected from the group of compounds represented by Formula (I):

$$R^3$$
 R^4
 R^1
 R^1
 R^2
 R^6
 R^5
 R^5

wherein:

R¹ is hydrogen or acyl;

 R^2 is hydrogen or alkyl;

A is an aryl ring;

B is an aryl;

 \underline{R}^3 is selected from the group consisting of:

- (a) amino, alkylamino or dialkylamino;
- (b) acylamino;
- (c) optionally substituted heterocyclyl;
- (d) optionally substituted aryl or heteroaryl;
- (e) heteroalkyl;
- (f) heteroalkenyl;
- (g) heteroalkynyl;
- (h) heteroalkoxy;
- (i) heteroalkylamino;
- (j) optionally substituted heterocyclylalkyl;
- (k) optionally substituted heterocyclylalkenyl;
- (1) optionally substituted heterocyclylalkynyl;
- (m) optionally substituted heterocyclylalkoxy, cycloalkoxy or heterocyclyloxy;

- (n) optionally substituted heterocyclylalkylamino;
- (o) optionally substituted heterocyclylalkylcarbonyl;
- (p) heteroalkylcarbonyl;
- (q) -NHSO₂R⁶ where R⁶ is alkyl, heteroalkyl or optionally substituted heterocyclylalkyl;
- (r) -NHSO₂NR⁷R⁸ where R⁷ and R⁸ are, independently of each other, hydrogen, alkyl or heteroalkyl;
- $\begin{array}{ll} \underline{\text{Y is a single bond, -O-, -NH- or -S(O)}_{n^{-}} \text{ (where n is an integer from 0)} \\ \underline{\text{to 2); and}} \\ \underline{\text{R}^{9} \text{ is cyano, optionally substituted heteroaryl, -COOH, -COR}^{10}, -} \\ \underline{\text{COOR}^{11}, -\text{CONR}^{12}\text{R}^{13}, -\text{SO}_{2}\text{R}^{14}, -\text{SO}_{2}\text{NR}^{15}\text{R}^{16}, -\text{NHSO}_{2}\text{R}^{17} \text{ or -}} \\ \underline{\text{NHSO}_{2}\text{NR}^{18}\text{R}^{19}, \text{ where } \text{R}^{10} \text{ is alkyl or optionally substituted}} \\ \underline{\text{heterocycle, R}^{11} \text{ is alkyl, and R}^{12}, \text{R}^{13}, \text{R}^{14}, \text{R}^{15}, \text{R}^{16}, \text{R}^{17}, \text{R}^{18} \text{ and R}^{19}} \\ \underline{\text{are, independently of each other, hydrogen, alkyl or heteroalkyl;}} \end{array}$
- (t) -C(=NR²⁰)(NR²¹R²²) where R²⁰, R²¹ and R²² independently represent hydrogen, alkyl or hydroxy, or R²⁰ and R²¹ together are -(CH₂)_n- where n is 2 or 3 and R²² is hydrogen or alkyl;
- (u) -NHC(X)NR²³R²⁴ where X is -O- or -S-, and R²³ and R²⁴ are, independently of each other, hydrogen, alkyl or heteroalkyl;
- (v) -CONR²⁵R²⁶ where R²⁵ and R²⁶ independently represent hydrogen,
 alkyl, heteroalkyl or optionally substituted heterocyclylalkyl, or R²⁵ and
 R²⁶ together with the nitrogen to which they are attached form an
 optionally substituted heterocyclyl ring;
- (w) -S(O)_nR²⁷ where n is an integer from 0 to 2, and R²⁷ is alkyl,

 heteroalkyl, optionally substituted cycloalkyl, optionally substituted

 heterocyclylalkyl, or -NR²⁸R²⁹ where R²⁸ and R²⁹ are, independently of
 each other, hydrogen, alkyl or heteroalkyl;
- (x) cycloalkylalkyl, cycloalkylalkynyl and cycloalkylalkynyl, all optionally substituted with alkyl, halo, hydroxy or amino;

- (y) arylaminoalkylene or heteroarylaminoalkylene;
- Z-alkylene-NR³⁰R³¹ or Z-alkylene-OR³² where Z is -NH-, -N(alkyl)- or -O-, and R³⁰, R³¹ and R³² are independently of each other, hydrogen, alkyl or heteroalkyl;
- (aa) -OC(O)-alkylene-CO₂H or -OC(O)-NR'R" (where R' and R" are independently hydrogen or alkyl); and
- (bb) heteroarylalkenylene or heteroarylalkynylene;

R⁴ is selected from the group consisting of:

- (a) hydrogen;
- (b) halo;
- (c) alkyl;
- (d) alkoxy; and
- (e) <u>hydroxy</u>;

R⁵ is selected from the group consisting of:

- (a) hydrogen;
- (b) <u>halo</u>;
- (c) alkyl;
- (d) haloalkyl;
- (e) thioalkyl;)
- (f) <u>hydroxy</u>;
- (g) amino;
- (h) alkylamino;
- (i) dialkylamino;
- (j) heteroalkyl;
- (k) optionally substituted heterocycle;
- <u>(1)</u> optionally substituted heterocyclylalkyl;
- (m) optionally substituted heterocyclylalkoxy;
- (n) <u>alkylsulfonyl;</u>
- (o) aminosulfonyl, mono-alkylaminosulfonyl or dialkylaminosulfonyl;

- (p) heteroalkoxy; and
- (q) carboxy;

R⁶ is selected from a group consisting of:

- (a) hydrogen;
- (b) halo;
- (c) alkyl; and
- (d) alkoxy; and

prodrugs, individual isomers, mixtures of isomers and pharmaceutically acceptable salts thereof.

....*..*..*

APPENDIX B PENDING CLAIMS

- 2. (Amended) The method of Claim 33 wherein \mathbb{R}^3 is:
 - (a) optionally substituted heterocyclyl;
 - (b) aryl or heteroaryl both optionally substituted with a substituent selected from halo, alkyl, amino, alkoxy, carboxy, lower alkoxy carbonyl, SO₂R' (where R' is alkyl) or SO₂NHR'R" (where R' and R" are independently hydrogen or alkyl);
 - (c) heteroalkyl;
 - (d) heteroalkenyl;
 - (e) heteroalkylamino;
 - (f) heteroalkoxy;
 - (g) optionally substituted heterocyclylalkylor heterocyclyloxy;
 - (h) optionally substituted heterocyclylalkenyl;
 - (i) optionally substituted heterocyclylalkynyl;
 - (j) optionally substituted heterocyclylalkoxy;
 - (k) optionally substituted heterocylalkylamino;
 - (l) optionally substituted heterocyclylalkylcarbonyl;
 - -Y-(alkylene)-R⁹ where Y is a single bond, -O- or -NH- and R⁹ is optionally substituted heteroaryl, -CONR¹²R¹³, SO₂R¹⁴, -SO₂NR¹⁵R¹⁶ -NHSO₂R¹⁷ or -NHSO₂NR¹⁸R¹⁹ where R¹², R¹³, R¹⁴, R¹⁵, R¹⁶ R¹⁷, R¹⁸ and R¹⁹ are independently of each other hydrogen, alkyl or heteroalkyl;
 - (l) cycloalkylalkyl, cycloalkylalkynyl and cycloalkylalkynyl, all optionally substituted with alkyl, halo, hydroxy or amino;
 - (m) arylaminoalkylene or heteroarylaminoalkylene; or
 - (n) Z-alkylene-NR³⁰R³¹ where Z is -NH-, -N(alkyl)- or -O-, and R³⁰ and R³¹ are independently of each other, hydrogen, alkyl or heteroalkyl.

- 3. (Amended) The method of Claim 2 wherein R¹ and R² are hydrogen; and B is phenyl.
- 4. (Amended) The method of Claim 3 wherein A is phenyl.
- 5. (Amended) The method of Claim 4 wherein R⁴ is hydrogen; and R⁵ is halo or alkyl.
- 6. (Amended) The method of Claim 5 wherein R⁵ is chloro, fluoro or methyl; and R⁶ is hydrogen, chloro, fluoro, methyl or methoxy.
- 7. (Amended) The method of Claim 5, wherein R³ is optionally substituted heteroaryl.
- 8. (Amended) The method of Claim 7, wherein R³ is pyridin-2-yl, pyridin-3-yl, pyridin-4-yl, N-oxidopyridin-2-yl, N-oxidopyridin-3-yl, N-oxidopyridin-4-yl or pyridon-2-yl, all optionally substituted.
- 9. (Amended) The method of Claim 8, wherein \mathbb{R}^3 is at the 3-position.
- 10. (Amended) The method of Claim 9, wherein R⁵ is 4-F and R⁶ is hydrogen.
- 11. (Amended) The method of Claim 9, wherein R⁵ is 2-Me and R⁶ is hydrogen.
- 12. (Amended) The method of Claim 5, wherein R³ is optionally substituted phenyl.
- 13. (Amended) The method of Claim 12, wherein R³ is 3-sulfamoylphenyl, 3-methylsulfonylphenyl, 3-carboxyphenyl or 3-ethoxycarbonylphenyl.
- 14. (Amended) The method of Claim 13, wherein R³ is at the 3-position.

- 15. (Amended) The methodd of Claim 14, wherein R⁵ is 4-F and R⁶ is hydrogen.
- 16. (Amended) The method of Claim 5, wherein \mathbb{R}^3 is:
 - (a) heteroalkyl;
 - (b) heteroalkoxy;
 - (c) heteroalkylamino;
 - (d) optionally substituted heterocyclylalkyl;
 - (e) optionally substituted heterocyclylalkoxy; cycloalkoxy; or cycloalkylalkyloxy;
 - optionally substituted heterocyclylalkylamino;
 -Y-(alkylene)-R⁹ where Y is a single bond, -O- or -NH- and
 R⁹ is optionally substituted heteroaryl, -CONR¹²R¹³, SO₂R¹⁴, -SO₂NR¹⁵R¹⁶ NHSO₂R¹⁷ or -NHSO₂NR¹⁸R¹⁹ where R¹², R¹³, R¹⁴, R¹⁵, R¹⁶ R¹⁷, R¹⁸ and R¹⁹
 are independently of each other hydrogen, alkyl or heteroalkyl; or
 - (h) Z-alkylene- $NR^{30}R^{31}$ where Z is -NH-, -N(alkyl)- or -O-, and R^{30} and R^{31} are independently of each other, hydrogen, alkyl or heteroalkyl.
- 17. (Amended) The method of Claim 16, wherein R³ is heteroalkyl.
- 18. (Amended) The method of Claim 17, wherein R³ is at the 3-position and is selected from the group consisting of 2-dimethylaminoethyl, 3-dimethylaminopropyl, 4-dimethylaminobutyl, hydroxymethyl, 1,2-dihydroxyethyl, 3-hydroxy-3-methyl-1-butyl or 3-hydroxybutyl.
- 19. (Amended) The method of Claim 18, wherein R⁵ is 2-F and R⁶ is 4-F.
- 20. (Amended) The method of Claim 18, wherein R⁵ is 4-F and R⁶ is hydrogen.
- 21. (Amended) The method of Claim 18, wherein R⁵ is 2-Me and R⁶ is hydrogen.

- 22. (Amended) The method of Claim 16, wherein R³ is heteroalkoxy or heteroalkylamino.
- 23. (Amended) The method of Claim 22, wherein R³ is at the 3-position and is selected from the group consisting of 3-dimethylaminopropoxy, 2-dimethylaminoethoxy, 2-hydroxyethoxy, 2,3-dihydroxypropoxy, 2,2-(dihydroxymethyl)ethoxy, 2-dimethylaminoethylamino and 3-dimethylaminopropylamino.
- 24. (Amended) The method of Claim 23 wherein R⁵ is 4-F or 2-Me and R⁶ is hydrogen.
- 25. (Amended) The method of Claim 16, wherein R³ is optionally substituted heterocyclylalkyl, optionally substituted heterocyclylalkoxy or optionally substituted heterocyclylalkylamino.
- 26. (Amended) The method of Claim 25, wherein R³ is at the 3-position and is selected from the group consisting of 3-(morpholin-4-yl)propoxy, 2-(morpholin-4-yl)ethoxy, 2-(2-oxo-pyrrolidin-1-yl)ethoxy, 3-(morpholin-4-yl)propyl, 2-(morpholin-4-yl)ethyl, 4-(morpholin-4-yl)butyl, 3-(morpholin-4-yl)propylamino, 2-(morpholin-4-yl)ethylamino, 4-hydroxypiperidinylmethyl, 2-(S,S-dioxo-thiamorpholin-4-yl)ethyl, 3-(S,S-dioxo-thiamorpholin-4-yl)propyl and N-methylpiperazinylmethyl.
- 27. (Amended) The method of Claim 26 wherein R⁵ is 4-F or 2-Me and R⁶ is hydrogen.
- 28. (Amended) The method of Claim 16 wherein R^3 is -Y-(alkylene)- R^9 where Y is a single bond, -O- or -NH- and R^9 is optionally substituted heteroaryl, -CONR¹²R¹³, SO₂R¹⁴, -SO₂NR¹⁵R¹⁶ -NHSO₂R¹⁷ or -NHSO₂NR¹⁸R¹⁹ where R^{12} , R^{13} , R^{14} , R^{15} , R^{16} R¹⁷, R^{18} and R^{19} are independently of each other hydrogen, alkyl or heteroalkyl.

- 29. (Amended) The method of Claim 28, wherein Y is a single bond and R^9 is $-SO_2R^{14}$ or $-SO_2NR^{15}R^{16}$.
- 30. (Amended) The method of Claim 29 wherein R³ is methylsulfonylethyl or sulfamoylethyl.
- 31. (Amended) The method of Claim 32 wherein R⁵ is 4-F or 2-Me and R⁶ is hydrogen.
- 33. (Amended) A method of treatment of a disease in a mammal treatable by administration of a p38 MAP kinase inhibitor, comprising administration to the mammal a therapeutically effective amount of a compound selected from the group of compounds represented by Formula (I):

wherein:

R¹ is hydrogen or acyl;

R² is hydrogen or alkyl;

A is an aryl ring;

B is an aryl ring;

R³ is selected from the group consisting of:

- (a) amino, alkylamino or dialkylamino;
- (b) acylamino;

- (c) optionally substituted heterocyclyl;
- (d) optionally substituted aryl or heteroaryl;
- (e) heteroalkyl;
- (f) heteroalkenyl;
- (g) heteroalkynyl;
- (h) heteroalkoxy;
- (i) heteroalkylamino;
- (j) optionally substituted heterocyclylalkyl;
- (k) optionally substituted heterocyclylalkenyl;
- (l) optionally substituted heterocyclylalkynyl;
- (m) optionally substituted heterocyclylalkoxy, cycloalkoxy, or heterocyclyloxy;
- (n) optionally substituted heterocyclylalkylamino;
- (o) optionally substituted heterocyclylalkylcarbonyl;
- (p) heteroalkylcarbonyl;
- (q) $-NHSO_2R^6$ where R^6 is alkyl, heteroalkyl or optionally substituted heterocyclylalkyl;
- (r) -NHSO₂NR⁷R⁸ where R⁷ and R⁸ are, independently of each other, hydrogen, alkyl or heteroalkyl;
- Y is a single bond, -O-, -NH- or -S(O)_n- (where n is an integer from 0 to 2); and

 R⁹ is cyano, optionally substituted heteroaryl, -COOH, -COR¹⁰,
 COOR¹¹, -CONR¹²R¹³, -SO₂R¹⁴, -SO₂NR¹⁵R¹⁶, -NHSO₂R¹⁷ or
 NHSO₂NR¹⁸R¹⁹, where R¹⁰ is alkyl or optionally substituted heterocycle, R¹¹ is alkyl, and R¹², R¹³, R¹⁴, R¹⁵, R¹⁶, R¹⁷, R¹⁸ and R¹⁹ are, independently of each other, hydrogen, alkyl or heteroalkyl;
- (t) $-C(=NR^{20})(NR^{21}R^{22})$ where R^{20} , R^{21} and R^{22} independently represent hydrogen, alkyl or hydroxy, or R^{20} and R^{21} together are $-(CH_2)_n$ where n is 2 or 3 and R^{22} is hydrogen or alkyl;

- (u) -NHC(X)NR²³R²⁴ where X is -O- or -S-, and R²³ and R²⁴ are, independently of each other, hydrogen, alkyl or heteroalkyl;
- (v) -CONR²⁵R²⁶ where R²⁵ and R²⁶ independently represent hydrogen, alkyl, heteroalkyl or optionally substituted heterocyclylalkyl, or R²⁵ and R²⁶ together with the nitrogen to which they are attached form an optionally substituted heterocyclyl ring;
- (w) -S(O)_nR²⁷ where n is an integer from 0 to 2, and R²⁷ is alkyl, heteroalkyl, optionally substituted cycloalkyl, optionally substituted heterocyclylalkyl, or -NR²⁸R²⁹ where R²⁸ and R²⁹ are, independently of each other, hydrogen, alkyl or heteroalkyl;
- (x) cycloalkylalkyl, cycloalkylalkynyl and cycloalkylalkynyl, all optionally substituted with alkyl, halo, hydroxy or amino;
- (y) arylaminoalkylene or heteroarylaminoalkylene;
- (z) Z-alkylene- $NR^{30}R^{31}$ or Z-alkylene- OR^{32} where Z is -NH-, -N(alkyl)- or -O-, and R^{30} , R^{31} and R^{32} are independently of each other, hydrogen, alkyl or heteroalkyl;
- (aa) -OC(O)-alkylene-CO₂H or -OC(O)-NR'R" (where R' and R" are independently hydrogen or alkyl); and
- (bb) heteroarylalkenylene or heteroarylalkynylene; R⁴ is selected from the group consisting of:
- (a) hydrogen;
- (b) halo;
- (c) alkyl;
- (d) alkoxy; and
- (e) hydroxy;

 R^5 is selected from the group consisting of :

- (a) hydrogen;
- (b) halo;
- (c) alkyl;
- (d) haloalkyl;

- (e) thioalkyl;
- (f) hydroxy;
- (g) amino;
- (h) alkylamino;
- (i) dialkylamino;
- (j) heteroalkyl;
- (k) optionally substituted heterocycle;
- (l) optionally substituted heterocyclylalkyl;
- (m) optionally substituted heterocyclylalkoxy;
- (n) alkylsulfonyl;
- (o) aminosulfonyl, mono-alkylaminosulfonyl or dialkylaminosulfonyl;
- (p) heteroalkoxy; and
- (q) carboxy;

R⁶ is selected from a group consisting of:

- (a) hydrogen;
- (b) halo;
- (c) alkyl; and
- (d) alkoxy; and

prodrugs, individual isomers, mixtures of isomers and pharmaceutically acceptable salts thereof.

- 34. (As filed) The method of Claim 33 wherein the disease is an inflammatory disease.
- 35. (As filed) The method of Claim 34 wherein the disease is arthritis.

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